# The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools KA3B. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are $20 U.S. third class mail, $25 U.S./Canada/Mexico airmail, $25 by surface and $30 by airmail elsewhere for 12 issues. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4541 USA or to P O Box 762, Menlo Park, CA 94026 USA. My Internet address is frank@sneezy.sri.com. The bulletin may be freely quoted, provided that credit is given.

## CT1WW, SK

CT1WW, Tiago, died on October 31, 1996. CT4KQ remarks, "I lost a friend and all the VHF community a well-known operator."

## The Rare KH/KL7 Islands/Grids

Have you at times wondered why there was so little amateur radio activity from those islands in the Hawaiian chain between Kauai and Kure? Turns out most of them are in a wildlife preserve set up by president Theodore Roosevelt. The following is an account by Ted Brattstrom, NH6YK, of his operations from NH4 posted earlier this year.

Here's a snippet of NH6YK/KH4 1992 10M/6M

I volunteered to go out to Midway with the Fish and Wildlife Service as a volunteer biologist. I worked mostly with the Laysan and Black-footed Albatross which was a kick. As a ham, I figured that I could also activate this place that had been moderately quiet for awhile on the bands I was legal.

Permission: FWS—I asked if it was OK to take some radio equipment out with me to use in times I was not busy working. No problem, with the caveat that I get the OK from the military side of things. (BTW, FWS and Hams have a reasonably good relationship—KH1,KH5K are on land administered by the FWS and ham DXpedition are "required" to take FWS personnel thus FWS gets a free ride out to the reserves that they don't get to go to as often as they like)

Military—called the local MARS group leader—asked for permission. He said he didn't have much to do with it, and all the MARS equipment was out of Midway, but he faxed me a letter authorizing permission with the approval of the base commander.

Borrowed 6M equipment from KH6JEB—IC575D + 5 el beam, took a tuner and G5RV and more wire. I heard that the Drake TR7 was still out there and a Log Periodic antenna in a state of disrepair.

Arrived—started work with the birds—and a couple days later, obtained the key to the MWR radio shack :-). In off times, operated 10M SSB. About a week later, found an appropriate piece of metal for setting up the 6M beam. Started to listen—after awhile, bingo!, JAs and my first 6M pileup!

6 wasn't open a lot, and I wasn't there to be a DX-pedition anyway. But I think a few people were happy :-) I had a good time. The shack was away from my barracks, and the 6M beam had to be moved back and forth out of the way whenever I wanted to use it.

After a couple weeks, plus making some friends, the log periodic was semi-fixed via the cherry picker truck—instead of vertically polarized and 45 degrees downward and held on by one bolt, it was horizontal and aimed towards North and Central America.

The birds and biology and chance to go other places were the highest priority—after that was radio. (I spent 3 hours on KH7—and if they hadn't of dragged me off to the plane, they were going to let me use the radios there to make a few contacts—sigh)

KC6YK—I took Satellite and 6M gear last summer—had some fine days on the birds, but the QTH snafu-ed the 6M possibilities. Putting up the antenna for a pathway through the mountain just didn't seem worth it—I heard JA beacons a couple times on the whip antenna, but nothing more.

Score:
NH6YK/KH4 - 6M: about 90 contacts in JA, KH6, VK, P29, FK8, 3D2
KC6YK - 6M: nothing
NH6YK - 6M: still waiting at 7 countries, it figures that I'd get into it at the tail end of the cycle, and Es didn't make it to Hawaii this summer. (KH6, FK8, V73, VR6, VK, JA, T30)

Aloha - and may the solar flux rise!!! - ted

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Friends of Hanauma Bay EDTECH Pearl City High School
UH College of Education (sporadic) Zen Penguinist

We would like to hear more from others that have operated from rare grids/countries around the world. Maybe, just maybe, others would have a better understanding of the work that goes into making such a project successful! Perhaps the information may be of help to, or inspire, others to visit more of these rare DX spots.

MEN WANTED for Hazardous Journey. Small wages, bitter cold, long months of complete darkness, constant danger, safe return doubtful. Honour and recognition in case of success - Ernest Shackleton

Glenn Skinner, WB7QBS, passed the following along to me. It is in reply by Clark Williams, WL7AJ, to an inquiry of his re possible vhf activity from the north slope of Alaska.

There are few active amateurs in the general North Slope area. Fenton Rexford just moved here (I believe) from Kaktovik/Barter Island, and he is an active and dedicated amateur. I am General Class, and have an HF set with which I sometimes work some of the "local" Alaska nets. These nets are on 80 meters, 40, and 20. You could try 3.922 MHz at 6PM AK time, 3.933 at 9PM, and also 7.087 at 7PM. The forty meter band is authorized for voice in Region 3, which we are a part of, and this includes Canada and also the South Seas. You could check in by CW just to let folks know you're monitoring.

(Continued, North Slope, on page 6)

# August-November 1996 DX Reports

The following reports of 50 MHz and higher DX propagation are courtesy of G4UPS, SM7AED's ***Six-metre Info***, GJ4ICD's **Internet Six News** (equinox@itl.net) (marked with #), ZL1MQ, LW5EJU, SP5XMU, VE7SKA, EH8BPX, WZ8D, and postings on the Internet. EH8BPX's report actually arrived in Menlo Park in time for last month's bulletin, but was misaddressed and was returned. JA1VOK's columns have not arrived by deadline time. Apologies to any sources I may have inadvertently neglected.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 1996. A + to the right of the time indicates the observation was one of several in a time period and is probably later than the time reported. A ~ indicates approximate time. The grid square of the observing station may occur after a > symbol; however a time after > indicates the opening was still in progress at this time. A t indicates tentative identification of a TV station. Symbols just before the call of the reporting station include: T = Television video, V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, S=SSB, W=mode not mentioned, H=heard only. The number before the symbol may be frequency, or range in km or statute miles (TV).

# Reports of Africa

**MADEIRA IS.**

```
08111231 CT3BD   59/59 IM12NP   469 S EH8BPX
08111231 CT3FJ   59/59                S EH8BPX
08211327 CT3BD   55/55 IM12NP   469 S EH8BPX
08231017 CT3FT   59/59 IM13     567-S EH8BPX
```

**NAMIBIA**

```
10161532 V51VHF 339 ? 579 -1639      B G4UPS
10161600 V51VHF                      B G,GJ #
```

**UGANDA**

```
10132XXX 5X1D                          I   #
```

# Reports of Asia (Far East)

**KOREA,S.**

```
10040909 HL1LTC 59+              50110   JE2XBY
```

# Reports of Europe

**EUROPE GENERAL**

```
10141039 EUR INBAND TV               I G4UPS
10221940 EUR INBAND TV STRONG        I G4UPS
10261103 EUR INBAND TV STRONG        I G4UPS
```

**AUSTRIA**

```
10141352 OE6LOG JN76 > JO65            SM7AED
10141353 OE6MHG JN77 > JO65            SM7AED
10141421 OE4WHF JN87 > JO65            SM7AED
```

**BALEARIC IS.**

```
10201014 EH6IF  59                   H G4UPS
```

**BELGIUM**

```
10111114 ON1LNS   59/59  JO10>KO02  S SP5XMU
10221930 ON4KST 53/54 JO20HI    729   OZ5W/P #
```

**BULGARIA:** Six meters became a legal band October 1. 50.100-50.150 MHz, CW, SSB, 5 Watts Output Power. As with most of Europe, they have the band on a secondary basis.

```
10141417 LZ2FT 44 WKG DL9AQ BRIEFLY H G4UPS
```

**CAPRI**

```
10141345 IC8FAX JN70 > JO65            SM7AED
```

**CROATIA**

```
10141428 9A7V   JN86 > JO65            SM7AED
10201014 9A3FT  55                   H G4UPS
10201028 9A3FT  59/59 JN83FM RENNY   S G4UPS
10201120 9A3XR  JN83 > JO65            SM7AED
10201203 9A3FT  JN83 > JO65            SM7FJE
10201327 9A2SB 599/599 JN95GB ZLATKOC G4UPS
```

**CZECH REPUBLIC**

```
10281017 OK2BGW 599/489 JN89CH IVO   C G4UPS
```

**DENMARK:** The licenses are adjusted to agree with CEPT. 50-52 MHz is allowed on a secondary basis. Power 1000W out, no antenna gain limit. (The SM stations, only a few miles away from the Danish border, have a limit of 500W ERP, about 13 dB less. That's the European Union. Tnx SM7AED.

```
08121850 OZ7DX   55/55 JO66DA  3817 S EH8BPX
08121853 OZ3SDL  55/55 JO65ML  3806 S EH8BPX
08121854 OZ8ZS   59/59 JO55RT  3763 S EH8BPX
08121855 OZ5QF   59/55 JO45VB  3629 S EH8BPX
08121856 OZ1ELF  55/55 JO44XK  3589 S EH8BPX
08121903 OZ8ABA  59/59 JO55    3721-S EH8BPX
08121905 OZ5IQ   57/52                S EH8BPX
08121908 OZ8ABA  57/55 JO55UQ  3765 S EH8BPX
10121XXX OZ                          YO #
10150835 OZ7DX 56                    H G4UPS
10210807 OZ7DX  59/55 MS             S G4UPS
10290926 OZ7DX 59/59 JO66DA          S G4UPS
10300919 OZ7DX  57/55 JO66DA VOGG    S G4UPS
10310912 OZ7DX  57/57 JO66DA         S G4UPS
```

**ENGLAND**

```
08121851 G6ZBO   55/55 IO92SC  2945 S EH8BPX
08121855 G4SEU   55/57 IO92FM  2946 S EH8BPX
08121857 G3SNN   51/51 IO81UX  2868 S EH8BPX
08121901 2E1AWI  57/51                S EH8BPX
08121902 G4VPD   59/55 IO92BJ  2923 S EH8BPX
08121903 G7RRD   51/55 IO92XT  3027 S EH8BPX
08121906 G7GUC   51/55 IO93RH  3056 S EH8BPX
08121911 G3OIL   55/56 IO91    2872-S EH8BPX
08211306 G6YIN   55/55 IO93    3061-S EH8BPX
08211307 G7DGH   51/55 IO84    3097-S EH8BPX
08211328 G3BJD   51/55 IO84    3097-S EH8BPX
10030450 G3CCH  IO93 > JO65 MS         SM7AED
10080751 G4UPS, 0756 G3CCH MS          SM7AED
10100450 G3CCH  MS                     SM7AED
10111142 G0VNS    59+60dB in KO02lg S SP5XMU
10130725 G3CCH  MS                     SM7AED
10170448 G3CCH  IO93 > JO65 MS         SM7AED
10220750 G4UPS  IO80 > JO65 MS         SM7AED
10220756 G3CCH  IO93 > JO65 MS         SM7AED
10240447 G3CCH  IO93 > JO65 MS         SM7AED
10250755 G4UPS, G3CCH BIG METEOR BUR   SM7AED
10260755 G3CCH, G4UPS BIG METEOR BUR   SM7AED
```

**FINLAND**

```
10141015 OH1SIX 449 ? 559            B G4UPS
10221811 OH1AYQ 55A/57A KP12JB  980    OZ5W/P #
10221819 OH1IR  55A/55A KP01SC  861    OZ5W/P #
10221823 OH6MTC 55A/57A KP12AC  954    OZ5W/P #
10221827 OH2BNH 55A/55A KP20LG  969    OZ5W/P #
10221831 OH1NSJ 57A/57A KP11BG  897    OZ5W/P #
10221833 OH3KKW 55A/55A KP11WU 1010    OZ5W/P #
10221835 OI2LXY 55A/41A KP20KE  961    OZ5W/P #
10251140 OH1SIX KP11 > JO65          B SM7AED
10251140 OH9SIX KP36 > JO65          B SM7AED
```

**FRANCE**

```
08161956 F1AKE   57/57 IN87    2421-S EH8BPX
08181036 F1AKE   59/59 IN87    2421-S EH8BPX
08181043 F5JKK   59/59 IN87PR  2450 S EH8BPX
08251040 F1ODW   59/59 IN94QV  2302 S EH8BPX
10111115 F6FLV    59/59  JN18>KO02   S SP5XMU
10111136 F1ERF    55/57  JN19        S SP5XMU
10111140 F1ARE    59/59  IN97>KO02   S SP5XMU
10111141 F1BBK    59/52  JN08>KO02   S SP5XMU
10111152 F5RNF    59/59  JN08 Ivan   S SP5XMU
101111XX FX4SIX  559 JN06 > KO02LG   B SP5XMU
10201205 F6HTJ  59/57 JN12KQ MICHEL S G4UPS
```

**GERMANY:** DLs with B-licenses are looking forward in 1997 to being allowed to use the 6m band with 40W ERP. Portable operation is being contemplated if the operator has a mobile telephone so the authorities can reach him is he is QRMing other services. de DL3AMA via SM7AED.

```
08121856 DF5LQ   59/59 JO44XK  3589 S EH8BPX
10040833 DL3DXA 559/519 MS?          C G4UPS
10110747 DL3DXA 599/559              C G4UPS
10132XXX DL                          F #
10141131 DJ0GA 59/59 JN67LU LUDWIG   S G4UPS
10141XXX DL                          9H,YO #
10221932 DJ3LE  JO44 > JO65 TROPO    SM7AED
```

**GREECE**

```
10151139 SV1SIX with qsb     50039.0 B DL4ALI #
10201003 SV1SIX      > JO65          B SM7FJE
10222025+SV1SIX 559  -2043           B G4UPS
```

**IRELAND**

```
08211305 EI8HZ   59/59 IO64GU  3024 S EH8BPX
```

**ITALY**

```
1007XXXX I                           EA,CT #
10141307 IK6OGZ JN72 > JO65          SM7AED
10141350 IK6TIJ JN72 > JO65          SM7AED
10141356 I8KAR  JM88 > JO65          SM7AED
10141412 IK7XGF JN71 > JO65          SM7AED
10151331 IK8DYD JN71 > JO65          SM7AED
10151347 IK8AUC JN71 > JO65          SM7AED
10200943 IK5JWQ JN52 > JO65          SM7FJE
10201000 I7SWX  55                   H G4UPS
10201000 IK6TIJ 59                   H G4UPS
10201000 IV3LNQ 55                   H G4UPS
10201010 IK7FGE JN71 > JO65          SM7FJE
10201034 IV3LNQ 59/58 JN65VO LUIS    S G4UPS
10201037 IK6TIJ 59/59 JN72AJ VINCE   S G4UPS
10201040 IK4ADE 59/59 JN54OE FRANCO  S G4UPS
10201051 IV3NDC JN65 > JO65          SM7AED
10201100 IW0BET JN61 > JO65          SM7AED
10201101 I0AKP  JN61 > JO65          SM7AED
10201105 I4CIL  55                   G4UPS
10201105 I7CSB  59                   G4UPS
10201105 IZ4AIB 59/59 JN54           S G4UPS
10201107 IZ4AIB JN54 > JO65          SM7AED
10201208 IK8RMB JN72 > JO65          SM7FJE
10201251 I6ADU 59/59 JN72FG BOB      S G4UPS
10201251+I0JX 579                    G4UPS
10201251+IK3HAR 44                   G4UPS
10201251+IK6OGZ 55                   G4UPS
10201330 IK3TPP 59/59 JN65EP FABIO   S G4UPS
10201338 IK0BAL 59/58 JN62FB AMAZINIO G4UPS
10201339 I3LLH  59/59 JN65BM HENRY   S G4UPS
10201339+I2AE   59                   G4UPS
10201339+I5MXX  569                  G4UPS
10201351 IK0NOJ 599/599 JN61GV DANNYC G4UPS
10201351 IK5JWQ 55                   G4UPS
10221330 IK7XGF 57/55 JN71QM ALFRED  S G4UPS
10221334 IK6TIJ 55/55 JN72AJ VINCE   S G4UPS
10221941 I8TUS  52/55 JM89CG   1873   OZ5W/P #
10221944 IK6TIJ 55/55 JN72AG   1514   OZ5W/P #
10221958 IK8MKK 59/59 JN71DC   1646   OZ5W/P #
10222006 IK6OWZ 52/55 JN72BD   1529   OZ5W/P #
10222013 IK0BAL 59/59 JN62FB   1525   OZ5W/P #
10222015 I0AKP  59/59 JN61FU   1548   OZ5W/P #
10222017 I0VHL  59/59 JN62IL   1480   OZ5W/P #
```

**JAN MAYEN:** G4UPS writes that, although Per, JX7DFA, was scheduled to leave the island in October 1996, plans have been changed, and he will remain there until April 1997 and he will be QRV on the amateur bands until he leaves next year from IQ50, and that he will also be active from IQ51.

**JERSEY**

```
10221705 GJ4ICD 52/52 IN89WF   1136   OZ5W/P #
```

**MACEDONIA**

```
10200955 Z32MA  KN02 > JO65          SM7FJE
10201048 Z32BU  KN01 > JO65          SM7AED
```

**MALTA**

```
10031723 9H1SIX 559 JM75>JN67 50024 B OE2UKL
10151117 9H1CG from JM75      50109.9   DJ6TK #
10151136 9H1GB in qso         50115.0   DL4ALI #
10151142 9H1CG with sp2.      50115.0   DL4ALI #
10151145 9H5ET 57             50110.0   SP4MPB #
10151147 9H1CG 59             50115.0   SP4MPB #
10151151 9H5ET 5/7            50117.4   ON1IM #
10151255 9H1AW (=ALAN GW3LDH) -1402 H SM7AED
10151401 9H1AW 599/559 JM75 ALAN     C G4UPS
10161551 9H1AW 579/339               C G4UPS
10212014 9H1AW  57 WK 2022 59/57     S G4UPS
10212025 9H1JN  59/57 JM75EX MAUREENS G4UPS
10310952 9H1SIX 529   > JO50 50.024 B DL4ALI #
```

**NETHERLANDS**

```
08161954 PB0ANX  55/55 JO22LJ  3195 S EH8BPX
10110745 PB0ANX 559/559 MS?          C G4UPS
10221703 PA2TAB 52/55 JO32GF    482   OZ5W/P #
```

**NORWAY**

```
10141043 LA1IC 579/559 RON           C G4UPS
```

**POLAND**

```
08222101 SP3EPX  55/52 JO83ID  3853 S EH8BPX
08222115 SP2NJE  55/51 JO92AT  3910 S EH8BPX
10091340 SR5SIX 449  -1349           B G4UPS
10141029 SR5SIX 599 OUT OF THE BLUE  B G4UPS
10221935 SR5SIX 579                  B G4UPS
10221945 SR6SIX 569                  B G4UPS
10221959 SP9EYX 59/59 JO90DE JOSEF   S G4UPS
10230926 SP9HWY 55 FADES QUICKLY     H G4UPS
10261109 SR5SIX 559  -1126           B G4UPS
```

**PORTUGAL**

```
08012017 CT1EHW  51/51               S EH8BPX
08211259 CT1EKF  59/59 IN50    1507-S EH8BPX
08221914 CT1EKF  51/51 IN50    1507-S EH8BPX
10151430 CT0WW 559                   B G4UPS
10151433 CT1DRB 579/539 IM58LO DAVE  C G4UPS
10201041 CT0WW  569                  B G4UPS
10211745 CT0WW  599   -1855         B G4UPS
10211748 CT1HB  59/59 IN50SX FELIX   S G4UPS
10211845 CT1DNF 59/57 IN50QP PEDRO   S G4UPS
10211914 CT0WW 599 IN AGAIN -1935    B G4UPS
10222005 CT0WW  599                  B G4UPS
10311113 CT0WW 59+    > IO75 50.030  B GM7NZI #
```

**ROMANIA**

```
10121334 YO7VS  KN14 > JO65          SM7FJE
10121344 YO7KAJ KN14 > JO65          SM7FJE
10141300 YO7VS  KN14 > JO65          SM7AED
10141305 YO7VJ  KN14 > JO65          SM7AED
10151510 YO7VS  KN14 > JO65          SM7AED
10201041 YO7VS  559                  G4UPS
10201126 YO7VS 449/449 KN14 DIETMAR  C G4UPS
10280913 YO7VS  579/449 KN14         C G4UPS
```

**RUSSIAN FEDERATION (EUROPE)**

```
10221110 UA  INBAND TV               I G4UPS
```

**SCOTLAND**

```
08181102 GM1PKN  55/52 IO75EJ  3119 S EH8BPX
08181105 GM7OIN  51/51 IO75    3148-S EH8BPX
08211325 GM7OIN  55/59 IO75    3148-S EH8BPX
08211329 GM0TQK  51/52 IO85    3198-S EH8BPX
10141XXX GM                          EH1,CT,I #
10181500 GB3LER IP90 > JO65 AU       B SM7AED
```

**SERBIA**

```
10141310-4N1SIX KN04 > JO65 -1600    B SM7AED
10141310-YU1SIX KN03 > JO65 -1600    B SM7AED
10141418 YU1QC  KN04 > JO65          SM7AED
10141425 YU1ABA KN04 > JO65          SM7AED
10151303 4N1SIX KN04 > JO65 -1530    B SM7AED
10151436 4N0SIX KN04 > JO65          B SM7AED
10151518 YU1EU                       SM7AED
10200910 4N1SIX 569  -1410           B G4UPS
10200926 YU1ABA 449/419 KN04         C G4UPS
10201041 YU1SIX 579                  B G4UPS
10201045 YU1SIX KN03 > JO65          B SM7AED
```

```
10201047 YU1EU 599/599 KN04DW FRANCOC G4UPS
10201237 YU1ABA KN04 > JO65            SM7FJE
10221939 YU1EU  59/59 KN04DW   1371    OZ5W/P #
10280906 4N1SIX 579 ? 599           B G4UPS
10280915 YU1SIX 559                 B G4UPS
```

**SICILY**

```
10151320 IT9NAN JM77 > JO65            SM7AED
```

**SLOVENIA**

```
10132XXX S5                            G #
10141407 S55ZRS 595 JN76 > JO65     B SM7AED
10201011 S51WX  JN75 > JO65            SM7FJE
10201056 S53BB  JN76 > JO65            SM7AED
10201103 S53BB  599/599 JN76HF      C G4UPS
10201105 S55ZRS 578                 B G4UPS
10201116 S59F   59/59 JN65          S G4UPS
```

**SPAIN**

```
08152037 EH1YV   51/51 IN52PF  1685 S EH8BPX
08161959 EH1TA   57/57 IN63    1879-S EH8BPX
08181059 EH2JG   51/51 IN83    2064-S EH8BPX
08181107 EH1EFP  59/59 IN52    1705-S EH8BPX
08181107 EH1EH   59/59 IN82PO  2011 S EH8BPX
08181141 EH1YV   51/51 IN52PF  1685 S EH8BPX
08241849 EH1TA/P 59/59 IM63    1066-S EH8BPX
10041900-EH                         DL,PA,OE #
10051123 EH1EH  449==>559 -1129     H G4UPS
10071355 EH4EHI  > IO91             H G3HBR
10132XXX EH                            DL #
10141213 EH1DAV 599/599 IN53        C G4UPS
10151411 EH7KW 599/579 IM67         C G4UPS
10161642 EH1DAV 55 BRIEFLY          H G4UPS
10201014 EH1TA  55                  H G4UPS
10201158 EH7AH 57                      G4UPS
10201205+EH7AJ 57                      G4UPS
10201345 EH1EH  IN82 > JO65            SM7AED
10201352 EH1EH  IN82 > JO65            SM7FJE
10211748+EH7AH  59                     G4UPS
10211810 EH4EHI 59/55 IMY68TV JOSE  S G4UPS
10211815 EA  INBAND TV              I G4UPS
10211815+EH1TA/P 55                    G4UPS
10211903 EH7AH 59/59 IM67 MEL       S G4UPS
10211914 EH7CD 59/59 IM86           S G4UPS
10211949 EA3VHF 449 -2000           B G4UPS
10222015 EH7AH  57  -2020              G4UPS
10222025 EH1EH 559 CLG CQ USA  .110 C G4UPS
```

**SWEDEN**

```
08121854 SM7FJE  57/57 JO65ML  3813 S EH8BPX
08121907 SM7CMV  51/55 JO75AM  3865 S EH8BPX
10020750 SM7AED 559/339, 579 @0755  C G4UPS
10050745 SM7FJE 569/559 JO65        C G4UPS
10080750 SM7AED 579/569             C G4UPS
10141028 SK3SIX 559 -1050           B G4UPS
10141033 SM6VKC 55                     G4UPS
10141127 SM7NBI 57                     G4UPS
10181500 SK3SIX JP71 > JO65 AU      B SM7AED
10181502 SM0FMT JO89 > JO65 AU      W SM7AED
10181515 SM3VEE JP81 > JO65 AU      H SM7AED
10190744 SM7AED 559/549  579 @ 0755 C G4UPS
10220750 SM7AED 559/459             C G4UPS
10221736 SK0UX  529/53 JO99BM   603    OZ5W/P #
10221812 SM3EQY 53A/55A JP81FI  704    OZ5W/P #
10250750 SM7AED 559/549 599 @ 0755  C G4UPS
10260745 SM7AED 559/449 599 @ 0757  C G4UPS
10270823 SM7AED 569/449             C G4UPS
10280849 SM7AED 559/449             C G4UPS
10300849 SM7AED 569/459             C G4UPS
```

**SWITZERLAND**

```
10141XXX HB9                           GM  #
```

## Reports of North America

This month's TV and FM DX reports via Es and MS were submitted by Jeff Kruszka, Baton Rouge, LA; Pat Dyer, WA5IYX, San Antonio, TX; and Mike Cherry, VE7SKA, Salt Spring Is., BC.

**ALASKA**

```
10230422 KL7NO        AUE    50.125   W7FI #
```

**CANADA (Eastern)**

```
08132138 VE3FIT  59/45 FN03    5726-S EH8BPX
10230014 VE2PEP FN46 AU        50.125   VA2MRX #
10230139 VE2PEP FN46           50.125   K1TOL #
10230141 VE9AA                 50.125   K1TOL #
10230147 VE8BY  FP53 AU        50.048 B K1TOL #
10230149 VE1SMU  FN84 AU       50.001 B K1TOL #
10230149 VE8BY   > EN54        50.048 B WA9LWJ #
10230202 VE2PEP 59A AU FN65    50.125 S VE9MS #
10230219+VE8BY                      B K1TOL #
```

**CANADA (Western)**

```
10230155 VE4VHF  EN19 > EN54 50.037 B WA9LWJ #
10230207 VE6XT  DO21 > CN88 AU 144.2  VE7SKA
10230243 VE6HDO DO21 > CN88 AU 144.2  VE7SKA
10230404 VE4VHF       AUE     50.036 B K1TOL #
10230407 VE4VHF       AUE     50.036 B VE9AA #
10230442 CFCN   4 AB  45DEG > CN88  T VE7SKA
11220XXX VE4VHF  EN19 > EM12        B WT7D/5
```

**COSTA RICA**

```
09130210 TI4JHQ 51 TE          50.110   LW5EJU
09210030 TI2NA  51 TE          50.079 B LW5EJU
10100037 TI4JHQ                 50110   WB4WTC #
10230008 TI2NA  55 TE         50.0785 B LW5EJU
10230028 TI5NLE 51 TE TON      50.110   LW5EJU
10230114 TI4HJQ 58 TE EDUARDO   .130   LW5EJU
10230205 TI7DBS 51 TE DANIEL 50.125   LW5EJU
10260039 TI2NA  53 TE          50.079 B LW5EJU
10260100 TI4HJQ 55 TE -0122    50.120   LW5EJU
11052325 TI5NLE 55 EK70>EM27 50.125 S K0ETC
11060030 TI2NA         > EM21       B WA5JCI
11060030+TI5NE   WEAK > EM21 50.110 W WA5JCI
```

**CUBA**

```
10091910 CUBA    3-5 > BATONROUGE LA   KRUSZKA
10282145 CO      CUBA > EM21           WA5JCI
```

**DOMINICAN REP.**

```
10222317 HI0VHF 55 TE         50.0085 B LW5EJU
10232258 HI0VHF 53 F2          50.008 B LW5EJU
10252315 HI0VHF 55 F2 -2325    50.008 B LW5EJU
```

**GRENADA**

```
10260048 J3K      5X9                  S J3/WZ8D
10272321 J3/WZ8D 51 TE FK92  50.110    LW5EJU
```

**GUATEMALA**

```
10230126 TG9SO  51 TE ROBERTO  .130    LW5EJU
11020023 TG9SO  58     > EM21 50.125   WA5JCI
11020130-TG9SO  59+40                  XE1KK
```

**MEXICO**

```
10092325 XE1KK EK09 529 >0328 50022 B W7RV #
10222347 XE1KK  55 TE         50.0225 B LW5EJU
10232315+XE1KK          > EM26       B K7CA
10232315+XE2HWB  DL44 > EM26         B K7CA
10240009 XE2UZL 51 F2 -0010  50.028 B LW5EJU
11060115 XE1KK          > EM21       B WA5JCI
11171614 XHBCt  3 BCN    > CN88 MS   T VE7SKA
```

**NEWFOUNDLAND**

```
10230219 VO1ZA                 50.038 B K1TOL #
```

**PANAMA**

```
10230045 HP3XUG 58 TE LOUIS  50.120    LW5EJU
```

**PUERTO RICO**

```
10230000 WP4ARJ 55 TE HILBERTO .110    LW5EJU
10230033 KP4A   53 TE BELARMINO.110    LW5EJU
10232303 KP4EIT 57 F2 JOSE    50.125   LW5EJU
10232314 KP4A   59+F2         50.130   LW5EJU
```

**ST KITTS&NEVIS**

```
10222239 V44K   55 TE          50.055 B LW5EJU
10232339 V44K   59+F2          50.055 B LW5EJU
10252300 V44KAA 59+F2 WILSON 50.110    LW5EJU
```

```
10252305 V44K    59 F2 -2325   50.055 B LW5EJU
10252310 V44KAI 59+F2 JOEL     50.110 H LW5EJU
```

**United States, W1**

```
08132117 W1/W2CAP 59/58 FN41    5084-S EH8BPX
08132117 W1IMM    59/58 FN42    5082-S EH8BPX
08132118 N1RHY    59/59 FN42    5082-S EH8BPX
08132120 KA1ICR   59/59 FN42    5082-S EH8BPX
08132122 N1KTM    59/55 FN43    5082-S EH8BPX
08132123 KM1H     57/59 FN42    5082-S EH8BPX
08132123 N1DCG    59/56 FN42    5082-S EH8BPX
08132124 WA1EKF   55/55              S EH8BPX
08132130 N1NBD    59/55 FN32    5246-S EH8BPX
08132137 WA1ELF   51/51 FN41    5084-S EH8BPX
08132141 K1JRW    59/57 FN32    5246-S EH8BPX
08132145 W1/W3EP  59/54 FN31    5250-S EH8BPX
08132149 WW1Z     59/55 FN42    5082-S EH8BPX
08132153 K1WVX    51/51 FN31    5250-S EH8BPX
08132238 K1IKN    55/55 FN41    5084-S EH8BPX
```

**United States, W2**

```
08132116 W2IV     59/57 FN31MP  5250 S EH8BPX
08132121 W2MPK    55/55 FN23    5404-S EH8BPX
08132127 K2MUB    55/57 FN21    5416-S EH8BPX
08132129 WC2K     59/59 FM29    5435-S EH8BPX
08132131 KE2E     55/57 FN42    5082-S EH8BPX
08132147 N2TMT    59/59 FN21    5416-S EH8BPX
08132156 N2QXF    57/57 FN21    5416-S EH8BPX
08132157 WA2AEY   59/44 FN23    5404-S EH8BPX
08132227 W2ZKE    51/51 FN20    5425-S EH8BPX
08132232 N2OBO    51/44 FN20    5425-S EH8BPX
10230004 N2LXD  FN02 > EN54 AU .135   WA9LWJ #
```

**United States, W3**

```
08132121 WA3TBG   59/59 FN42    5082-S EH8BPX
08132124 W3JO     59/52 FM29    5435-S EH8BPX
08132146 W3VIR    51/51 FN20    5425-S EH8BPX
08132214 W3VIR    51/41 FN20    5425-S EH8BPX
08132231 W3IWU    51/44 FN20    5425-S EH8BPX
10282XXX N3QCM  FM28 > CUBA           CO2OJ
10282XXX N3SBA  FM28 > CUBA           CO2OJ
```

**United States, W4**

```
10100056 KC4ZVO EL87 > EM93    50135   KS4DU #
10100057 KD4VRZ em48 > el96    50135   WA0KBZ #
10100057 KQ4VI em48 > el98     50135   WA0KBZ #
10100100 KD4ESV EM55> EL87 FL 50150    W4DUP #
10100112 KC4YRR EM55> EL96     50135   W4DUP #
10100132 KC4FUS em40> el95 s9+50150    N5UXT #
10100148 KE4NJM el94           50140   N5HHS #
10100150 KE4NJM el29 > el94    50140   N5HHS #
10100153 KE4NJM em40 > el94    50140   N5UXT #
10310047+W4 EN91,EM78 > DN81 -0130     WD0BQM
10312200 W4            > EM21          WA5JCI
11042325 W4/N1KTM/MM 59 FL09 > EM21    WA5JCI
11052305 W4       EM84 > EM21          WA5JCI
11052305 W4       TN   > EL09          WA5IYX
11052315 WBTV    3 NC CHARLOTTE      T WA5IYX
11052326 WSB     2 GA ATLANTA        T WA5IYX
11052330 WRAS      GA ATLANTA   88.5 F WA5IYX
11060015 W4       EM90 > EM21          WA5JCI
11160022 W4             > EM21      H WA5JCI
11212253 W4/WB2QLP FL > EM48           K0AZ
11220120 W4          > EM21            WA5JCI
11220300-W4  GA > DN70MQ               K0GU
```

**United States, W5**

```
10282213 W5/N0EOQ  EM24>CUBA 50.125    CO2OJ #
10282214 W5/KA0NNO EM24>CUBA 50.125    CO2OJ #
10282XXX W5 EM12,30,20,21,40,00,24  W  CO2OJ
10300023 WA5UUD CLG CQ       50.125    N5UXT #
10310140 N5WKW    EM15 > EN54 50.125   WA9LWJ #
10310143 KC5ICS   EM15 > EN54 50.130   WA9LWJ #
10310154 N5TML    EM14 > EN54 50.130   WA9LWJ #
11020130-W5 OFF BACK OF BEAM        H XE1KK
11181627 K5RHR  DM65?> CM87  MS        WB9AJZ/6
11220300+W5  TX > DN70MQ               K0GU
```

**United States, W6**

```
10232330 AA6DD   54 F2 DM13   50.110   LW5EJU
11171551 W6XP      DM06 > CN88 MS   S VE7SKA
111716XX W6/N7STU, KB6IGC > CN88 MS H VE7SKA
11181608+KD6HZF DM14 > CM87  MS        WB9AJZ/6
11181627+N6KN   DM03 > CM87 M BS      WB9AJZ/6
```

**United States, W7**

```
10230144 W7HAH  DN26 > CN88 AU 144.2   VE7SKA
10230255 KJ7HB  CN85 > CN88 AU 144.2   VE7SKA
10230304 W7HAH  CN85>EN26 AU 50.135    N7DB #
10230348 K7GS   DN17 > CN88 AU 144.2   VE7SKA
10232253 W7US   52 F2 DM42   50.068 B LW5EJU
10232320 KC7A   51 F2 AL     50.115 H LW5EJU
10300316 W7/KD6QCA DM33>EM12 50.125    KY5N #
10300322 KF7JS   DM43 > EM12 50.125    KY5N #
10300326 WA7KSF  DM43 > EM12 50.125    KY5N #
10300332 W7/NU8I DM43 > EM12 50.128    KY5N #
10300336-W7      AZ   > EM21           WA5JCI
11012345 W7       AZ   > EM21       B WA5JCI
11171647 K7ICW      DM26 > CN88 MS   S VE7SKA
111716XX K7ZL             > CN88 MS  H VE7SKA
11181608 K7ICW DM26 > CM87 MS >1728    WB9AJZ/6
11181608+WA7JTM DM33 > CM87  MS        WB9AJZ/6
11181739 W7FI   CN87 > CM87 MS         WB9AJZ/6
11181XXX W7/N0XX 59+ 10 MIN > DN70  H K0GU
11211715 W7     CN87 > CM98            WB5OMF/6
```

**United States, W8**

```
08132127 K8ZES   55/55 FN02    5736-S EH8BPX
10310047+W8 EM79,EM88 > CN81 -0130     WD0BQM
11160022 W8              > EM21      H WA5JCI
```

**United States, W9**

```
10230008 WB9LWJ EN54 AU      50.138   K2QE #
11220325 W9  EM49,EM57 > DM67         N0KM
```

**United States, W0**

```
10230113 K0CXJ  EM48 > EN26 AU .125    WA0KBZ #
10230415 K0GXJ        AUE    50.130    K1TOL #
11160218 W0  WEAK  EN13 > EM97      H KB8TEJ
11171400 W0MTK -1415    > CN85      B N7EIJ
11211700 KB0RAY EN11 > DM33         S NU8I/M7
11211700 WB0RMO      > CM33         H NU8I/M7
11220325 W0  EM48,EN34 > DM67          N0KM
```

# Reports of Oceania

**AUSTRALIA-VK2**

```
11080559 VK2DN                         ZL2AGI
11080612 VK2DN                         ZL2KT
11090100 VK2DZ                         ZL3NE/1
11092320 VK2GF                         ZL3NE
1109XXXX VK2NZ                         ZL3NE
```

**AUSTRALIA-VK4**

```
1023XXXX VK4/VK2AFZ                    ZL3AAU
11050100 VK4AFL                        ZL3NE
11082210 VK4AFL                        ZL3NE
11082335 VK4APG                        ZL3NE
11092255 VK4GP                         ZL3NE
11092258 VK4KFQ                        ZL3NE
11092300 VK4JSR                        ZL3NE
11092310 VK4AFC                        ZL3NE
```

**Hawaiian Is.**

```
11161045 KHON   2 HI -1225    55.25 V ZK1AA
11161200 KITV   4 HI HONOLULU 67.24 V ZK1AA
11171045 KHON   2 HI -1225    55.25 V ZK1AA
11171435 KHON   2 HI -1710    55.25 V ZK1AA
11211045 KHON   2 HI WEAK -1235    V ZK1AA
```

**NEW ZEALAND**

```
11170520 ZL     1+2  -0720  ES     V ZK1AA
11171800 ZL     1+2  -2000  ES     V ZK1AA
```

# Reports of South America

**ARGENTINA**

```
09142045 LU8DYN 53 TR JOSE LA PLATA    LW5EJU
09192037 LU5JAU 57 TR DANIEL 50.110    LW5EJU
10130034 LU5JAU 51 TR        50.110    LW5EJU
10131120 LU5JAU 51 TR        50.110    LW5EJU
```

```
10230209 LW5EJU GF05 > EK44  50.130    TG9SO #
10230210 LU7FA FF96 RICARDO  50.120    TG9SO #
10232315+LU           > EM26 >0015   W K7CA
10260017 LU8EWD  529                 C J3/WZ8D
10260020 LU8DIO  529                 C J3/WZ8D
10260051 LU8DNY  5X5                 S J3/WZ8D
10262311 LU8DMA  5X3                 S J3/WZ8D
10262314 LW5EJU  5X3                 S J3/WZ8D
10262317 LU8EWU  5X2                 S J3/WZ8D
10262326 LU9AEA  5X5                 S J3/WZ8D
10262328 LU8DNY  5X4                 S J3/WZ8D
10262332 LW3ESJ  439                 C J3/WZ8D
10262342 LU7FA   5X9                 S J3/WZ8D
10262345 LU5JAU  5X5                 S J3/WZ8D
10262349 LU9EHT  5X9                 S J3/WZ8D
10270007 LU5JAU  5X9                 S J3X
10270014 LU9EHF  5X5                 S J3X
10281315 LU9EHF 57 TR FF95   50.016 B LW5EJU
```

**BRAZIL**

```
10262340 PY2DSC  5X9                 S J3/WZ8D
10270011 PY3PT   5X5                 S J3X
10281820 PY2AA   59+Es        50.059 B LU5JAU
10281825 PY2DNR 59+Es MAURO   50.110   LU5JAU
10300052 ZV5E                 50.125   PP5JD #
11011824 PY2AA   55 Es       50.059 B LW5EJU
11011839 PY2?/R 52 Es ORAPY  52.910 F LW5EJU
11011843 PY2SFY 52 Es        50.010 B LW5EJU
11012353 PY2DYR 54 Es CASAPAVA .110   LW5EJU
```

**CHILE**

```
10230208 CE3BFZ PEDRO > EK44 50.130    TG9SO #
10232330+CE           > EM26         H K7CA
```

**PARAGUAY**

```
10252357 ZP5FGS 55                   S J3/WZ8D
10260003 ZP5BT   5X5                 S J3/WZ8D
10260017 ZP5WT    559                C J3/WZ8D
10260022 ZP5ZR   5X9                 S J3/WZ8D
10260029 ZP5PT   5X9                 S J3/WZ8D
10262335 ZP5HSB  5X9                 S J3/WZ8D
10270000 ZP5VT   5X5                 S J3/WZ8D
10270010 ZP5FGS  5X5                 S J3X
```

**URUGUAY**

```
09281456 CX7IY   53 TR PAISANDU .110   LW5EJU
10171404 CX4HS   52 TR GF06XX 50.110   LW5EJU
10232330+CX           > EM26         H K7CA
10260010 CX4??                50110 H J3/WZ8D
10300048 CX1VS                50.110   PP5JD #
```

**VENEZUELA**

```
09120245 YV4AB   52 TE        50.025 B LW5EJU
09130208 YV4AB   52 TE        50.025 B LW5EJU
09200100 YV4AB   51 TE        50.025 B LW5EJU
09210030 YV4AB   51 TE        50.025 B LW5EJU
09220200 YV4AB   51 TE        50.025 B LW5EJU
09250215 YV4AB   52 TE        50.025 B LW5EJU
09290045 YV4AB   52 TR        50.025 B LW5EJU
10120115 YV4AB   55 TE        50.025 B LW5EJU
10220030 YV4AB   55 TE        50.025 B LW5EJU
10222317 YV4AB   55 TE        50.025 B LW5EJU
10240005 YV4AB   59+F2 -0010  50.025 B LW5EJU
10240130 YV4AB   53 TE        50.025 B LW5EJU
10250130 YV4AB   53 TE        50.025 B LW5EJU
10260040 YV4AB   55 TE        50.025 B LW5EJU
10270224 YV4AB   53 TE        50.025 B LW5EJU
10280058 YV4AB   52 TE        50.025 B LW5EJU
10290200 YV4YC   55 TE FK60FE 50.110   LU5JAU
10290205 YV4AB   53 TE        50.025   LU5JAU
11020120 YV4AB   53 TE        50.025 B LW5EJU
11020126 YV4YC   53 TE MARACAY  .110   LW5EJU
11030213 YV4GLD  51 TE JOSE LUIS.110   LW5EJU
11030215 YV4AB   51 TE        50.025 B LW5EJU
11040127 YV4YC   51 TE BEN    50.120   LW5EJU
11040137 YV4AB   51 TE        50.025 B LW5EJU
```

## North Slope (continued from page 1)

At the present time I know of no other active amateurs in the area, though there are several persons who are licensed, and have expressed interest in becoming active again, especially if we had some kind of repeater. There is quite a lot of expertise in technical fields here, employed in the government sectors of education, aviation, defense, communications, etc. I know of no one who is active on six meters at this time.

If you are interested in Barrow, I suggest that you call the Alaska Commercial Company here (907)852-6711, and have a copy of one of two video tapes shipped. They cost about twenty dollars and give a pretty good description. It would take a long time to explain what life is like here. We get all our supplies either by barge or plane (the mail service makes life affordable). Revenue comes from the oil fields at Prudhoe Bay. The weather conditions become, and stay, extreme. We have no sun for fully two months in the winter, and in the summer, the sun does not set for over two months.

I work for the power company as a lineman. I would like to start teaching a radio class here soon. I am a licensed examiner. The importance of this becomes clear, as we just lost a doctor who was traveling by snow machine to Wainright. It is thought he wandered out onto the ice during a storm which caused the ice to break up. He could not be found, and so must have gone under the water. If he had a radio, such as a two meter, and a repeater system were in place, help could have been very close.

Concerning other amateurs in the area, they come and go, and are sporadically active. I can't keep up very well, as I work six days a week, and it is all I can do to keep up with paying the bills and raising the kids besides working the occasional radio session.

I would suggest that you contact the Anchorage Amateur Radio Club to get the calls of the amateurs who work at Prudhoe Bay. These are a bunch of technically astute guys who invest heavily in equipment and are eager for contact. If you are able to check into a net, you might pass along traffic with your interests.

As far as what antennas work well up here, it seems like between the salt, the cold, and the wind, most antennas have a pretty hard time. Aluminum beams seem to shake to pieces, even super stout commercial/military industrial strength ones. I do have some ideas for a super quad, but it has to be designed from scratch.

I wish that I could be of more assistance, but much of what I would like to be able to help you with it outside my realm of experience. I wish I was set up for digital communications, and was trying to work some VHF stuff over the pole, meteor scatter, and aurora bounce. This might materialize in the intermediate future. If something starts to break, I will give you a shout.

Please note my e-mail address. I am Flashmaster@Barrow.com. If you persist with trying to contact Prudhoe amateurs, I believe that you will have some success. Hope to see you on the air.

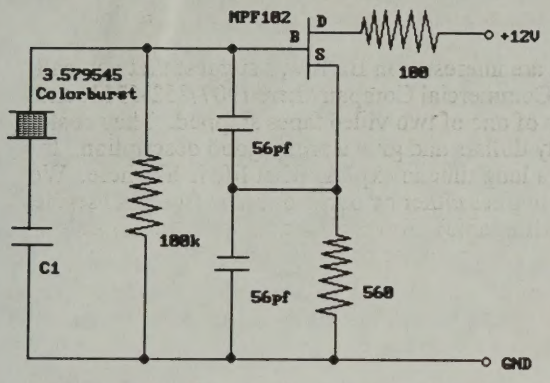
Clark Williams, WL7AJ, P.O. Box 394, Barrow, AK 99723

## A Cheap 50.1 MHz Signal Source

**by Glenn Skinner, WB7QBS**

Here is a cheap frequency standard for the MFJ 9046. The circuit was adapted from BFO 1987 RAH 30-2. A 3.579545 MHz color burst crystal is used in almost every NTSC color TV set, and is readily available from Radio Shack

and other sources. The 14th harmonic is around 50.11-50.13 MHz depending on the loading on the crystal. I have shown a series capacitor, but a parallel capacitor can also be used.




Here are the frequencies I measured vs the series capacitance, C1.

| C1 (pf) | Type | Fundamental LSB FT647GX | 14th harmonic USB FT690R |
|---|---|---|---|
| 10.0 | Silver Mica | 3.5801 | 50.1219 |
| 7.5 | Silver Mica | 3.5805 | 50.1251 |
| 7 | 5+2 NPO Ceramic | 3.5803 | 50.1260 |
| 5 | NPO Ceramic | 3.5806 | 50.1307 |

Editor: I note some imprecision, especially in the measurement of fundamental frequency, but you get the idea.

## QSL News

**IK2AEQ:** "For those waiting for my QSL for **ID9/IK2AEQ** (Eolie Archipelago EU-017) HF/VHF and Six meters operations of last August, please note that I just received the cards from the printer and am starting to reply this week (Nov18). I am also continuing to reply to **IM0/IK2AEQ** 1995 operations (HF and Six from S. Pietro Isl. EU-165). I reply to all cards via the bureau, but it someone is in a hurry, my address is: Luca Vanni, Via Ustica 18, 20022 Castano Primo, ITALY. lsvanni@betanet.it"

**9H1AW and 9H1JN:** QSL via GW3LDH.

## Call Letter Changes

| | | | |
|---|---|---|---|
| KS0F | K0AZ | EM48 | Mike Sanders, Imperial MO |
| KP4XS | N4UK | EM84 | Ken Ramirez, Greenville SC |
| WA8MSF | W8MM | EM79 | Mike Valentine, Cincinnati OH |
| KV6I | W7RF | DM04 | Dan Magro, Los Angeles CA |
| AB0CN | N0UK | EN34 | Chris Cox, Minneapolis MN |
| WA9KNP | W9FX | EM57 | Brad Pioveson, Benton IL |
| WA4VCC | W4VHF | EM95 | Ted Goldthorpe, Fort Mill SC |
| KU8U | W8KX | EN72 | John C Lane, Fowlerville MI |
| KU8P | K8RS | EN72 | Roger Stimson, Okemos MI |
| WB8OGM | K8TJ | EN83 | Tim English, Lennon MI |
| W2CRS | W0AH | DM78 | Doug Allen, Woodland Park CO |
| N3AHF | W2KV | FN20 | Paul Naftzinger, Reading PA |
| K4CPK | W8BC | EN82 | William Combs, Allen Park MI |
| KX0O | W0LD | DM78 | Lauren Libby, Colorado Sp. CO |
| K4WHG | W4AD | | |
| WB9MSV | N9LR | EN50 | Larry Reiser, Dunlap IL |

## Letters to the Editor

Dear Victor, from Richard Kennedy November 19

Got your bulletin and Six News (UKSMG) in yesterday's mail. It seems that we who are west of the 1-2-3 call areas are opposed to expanding the DX window, while those in these call areas and Europe are for it. It does become more of a problem to monitor a wider band for signals. I prefer not to change things, but if it must change, then K0CL's suggestion of 50.150 MHz should suffice.

I miss all the backscatter contacts I was able to make in 1980-82 when one could answer a domestic station calling in what is now the DX window. Calling "CQ backscatter" above 50.125 in the years 1989-1992 was very un-productive, with rarely a reply. If the DX window is expanded to 50.2 MHz, then I will probably make far fewer domestic contacts, at least during sunspot peaks, during the October-April period. And, during the June contests, DX is likely to be missed.

I have observed that the band is quite "elastic", expanding to accommodate the activity. During the tremendous openings to Japan on November 26-30, 1989, I worked 21 stations from 50.2 up, 10 from 50.126 to 50.199, and only 4 from 50.1 to 50.125. Other widespread openings behave similarly if the MUF allows it.

Another problem for several years is the eastern stations keeping their antennas beamed towards Europe. Since it was discovered that multi-hop Es can cross the Atlantic, contacts with New England have been rare. I'm glad I got all those states worked back in the 1970s. During the June contests, they are seldom heard anymore, and when they are (off the back of their beams), it is even harder to get their attention.

My antenna is optimized for the first 1 MHz of the band, being a perfect 1.00:1 (the meter doesn't even wiggle) at 50.4 MHz and rising to 1.10:1 at 50.0 MHz and 1.6:1 at 51.0 MHz. It is below 2:1 up to 51.16 MHz and below 3:1 up to about 51.44 MHz.

I wouldn't despair about the lack of sunspots yet. The smoothed SSN was down to 9 for April 1996, will probably by 8 for May. A minimum of 6 is predicted for about now. In 1954, the smoothed SSN was low, like the present period, but then came Cycle 19, peaking at a smoothed SSN of 201.

The SMIRK contest was a complete washout here, as was also the CQ VHF contest. Note that there were no entries from WTX, NM, or UT. I suppose the "hole" probably included some parts of AZ and CO also.

My only "DX" for the year was C6AFR (June ARRL contest) and some XE stations. Sable Is. seems to beyond 2-hop Es range from here, but may be workable by 3-hop Es or F2. It seems that my limit for 2-hop Es in that direction is about the middle of Nova Scotia. It took F2 in 1989 for me to work Cape Breton Is. and Newfoundland.

In the last two sunspot peaks, the band only opened to Europe in the early part of the cycle, moving to southerly latitudes in the later years. Also, it was only in the month of November at this QTH. In the last cycle (22), I never heard Canada, Alaska, or Japan either after 1989, except for Es.

At present, I seem stuck at 54 countries, with perhaps a dozen more within 2- or 3-hop Es range. I don't think it is too early to be planning DX-peditions for the next cycle, as well as working to ease restrictions on the 50 MHz band in much of the world. Many DX-peditions in the past seem to have been at the wrong times for best propagation. I do know, from 10m operation in the last cycle, that propagation to much of the world would exist if the MUF just went high enough.

Richard Kennedy, 5633 Hemmingway Dr., El Paso, TX 79924-2422

Dear Victor, from Peter Varounis NL7XM/2

The 50.075 beacon has been up and running 24 hrs, 1 Watt → SQLOOP @ 190' ASL. Why do only the locals hear

it? Conditions suck, that's why!

Peter Varounis, 23 Lillie Lane, Staten Island NY 10314

Correction: from Danny Oglethorpe

Everything listed on August 16/17 in the September 50 MHz DX Bulletin (for me) should have been listed on August 17/18. I am sorry about the error. I sent Victor the wrong dates.

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

Dear Victor from Thomas Cook WA2BPE

Please continue this fine bulletin. With regards to this (Sept 96) issue re: rig evaluation: While the TR6 is tube-dated, it is still an outstanding piece of gear. The receiver, while overload prone, is fully as sensitive as my LT6-Paragon setup now in use. I successfully worked over 100 countries using one and have (generally) done well in contests with it. Consider also that only 601 were ever made, with essentially one design upgrade during their tenure. The audio on transmit was always potent and would routinely get favorable reports. Yes, I intend to sell the two I own, but will never them down, merely in perspective. By the way, in regards to the IC736 being discontinued by Icom (to be replaced by the new DSP rig now available in Europe)?? The Swan rigs—mostly agree—250C considerably better, but doesn't run at full output and better use some heavy-duty garbage suppression. Re: noise blankers—does one really exist for power line noise, (save for the "old" Dicke)??

Thomas A. Cook, 4375 Bellinger Hollow, Corning NY 14830 (cook_ta@corning.com)

Dear Sir: from Thomas Leu W8BWC

Keep up the good work. I am particularly interested in the occasional brief articles on the 4 meter (70.0-70.5 MHz) band in Great Britain. I don't currently have access to the RSGB Bulletin—could your correspondent include the addresses of anyone offering 4m receiving converters for sale?

Tom Leu, 28207 Center Ridge Rd., Westlake, OH 44145-3802

Estimado Victor, LW5EJU Septiembre

Las condiciones de propagación en los 50 MHz no están muy buenas, con muy poca propagación transecuatorial y una casi ausencia de (Es) continuamos esperando atentos una posible apertura de propagación en la banda.

Tuve oportunadad de contactarme por 10 metros con el colega Vander PU2XYY que es un entusiasta de los 6 metros en San Pablo Brasil. El me comento que está en funcionamiento una repetidora FM en su ciudad y que funciona muy bien con una amplia cobertura de trabajo, la frecuencia de entrada es 51.910 MHz y la frecuencia de salida es 52.91.0 MHz, lamentablemente no puedo comentarles más de esta repetidora pues cuando Vander me estaba haciendo los comentarios la propagacion termió en los 10 metros.

Nada más por el momento y hasta uma próxima carta.

Noviembre

Primeramente el 1 de Noviembre confirmé la existencia de la repetidora de San Pablo en 52.910 MHz salida y 51.910 MHz la entrada, las señales no fueron muy fuertes pero esto me permitió ver que la arepetidora ews muy sensible y que cuando la propagación sea buena se harán buenos contactos. No pude lograr escuchar bien la señal distintiva pero si pude escuchar claramente "IN ORAPY 46 RJA" y un tono auditivo al finalizar la cola de la repetidora en cada activación, lamentablemente no tuve respuesta de mis llamadas por este repetidor.

También con respecto a repetidoras está en funcionamiento en Argentina la repetidora "LU1EEE" del Radioclub Banfield a 20 Km al Suroeste de la ciudad de Buenos Aires, la frecuencia de entrada de la repetidora es 52.190 MHz y la frecuencia de salida es 53.190 MHz, el área de cobertura de esta repetidora es muy buena y su sensibilidad también permitiendo seguramente buenos contactos a distancia especialmente para propagación por esporádica E.

Cordiales saludos y hasta una próxima carta.

September

Dear Victor,

The propagation conditions were not very good for 50 MHz, with very few transequatorial propagation openings and an almost absence of Es. We wait attentively for possible propagation openings of the band.

I had the opportunity to make contact on 10m with colleague Vander, PU2XYY, who is a six meter enthusiast in San Pablo, Brazil. He told me of an FM repeater operating in his city that works very well with wide coverage. Its input frequency is 51.910 MHz and its output frequency is 52.910 MHz. Regrettably, I have no further information since the band closed during his comments.

Nothing else at the moment and until my next letter.

November

First, on November 1 I confirmed the existence of the San Pablo 52.910/51.910 MHz (mentioned in my last letter). The signals were not very strong, but permitted me to determine that the repeater is very sensitive. When propagation is good, we will make good contacts. I could not hear it well, but I did hear clearly "IN ORAPY 46RJA" and an audio tone at the tail of each activation of the repeater. Regrettably, I had no response to my calls to this repeater.

Also, with respect to repeaters, in Argentina the repeater "LU1EEE" of the Radio Club Banfield is in operation 20 km to the southwest of Buenos Aires city. The input frequency of the repeater is 52.190 MHz and the output frequency is 53.190 MHz. The coverage area of this repeater is very good and it is very sensitive, permitting good DX contacts especially for Sporadic E propagation.

Heartfelt regards until a next letter.

Nestor E. Zucchi, LW5EJU, P.O. Box 354 Code 1629, Pilar (BA) Argentina

Dear Sirs,

The Federation of Radio Amateurs of Puerto Rico (FRA) is promoting the use of the 50 MHz and up- 6m band. We are planning to offer a series of seminars about the **Magic Band** and we need information, orientation, and testimonies of the use of the 6m band

Tony Hernandez, P.O. Box 1714 Aguadilla, Puerto Rico 00605